

Today's Outline

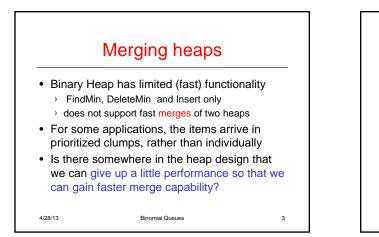
• Announcements • Assignment #3 is due May 1 at 11:00pm.

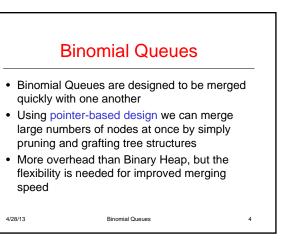
Binomial Queues

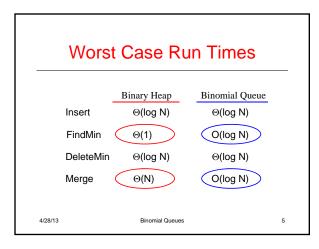
2

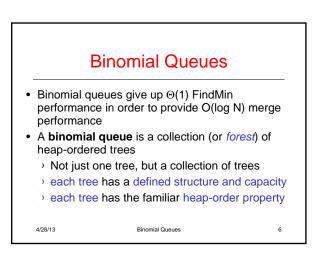
Today's Topics:
 Binomial Queues (Weiss 6.8)

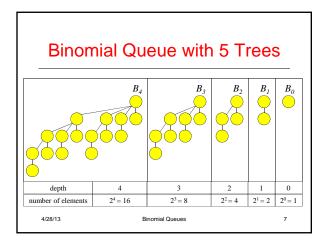
4/28/13

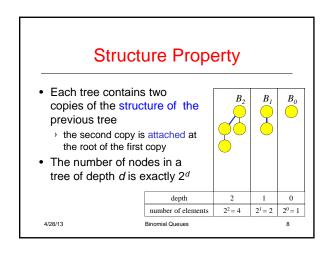


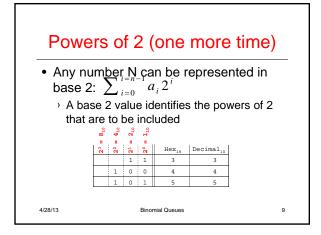


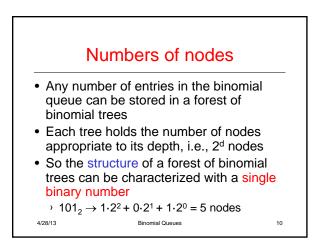


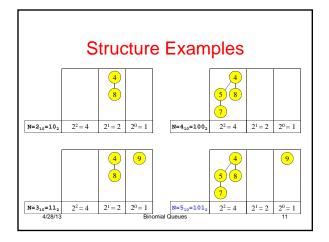


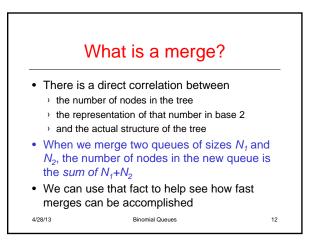


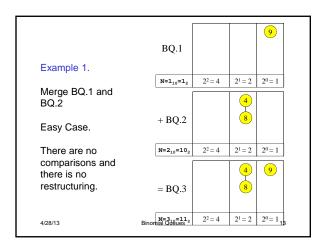


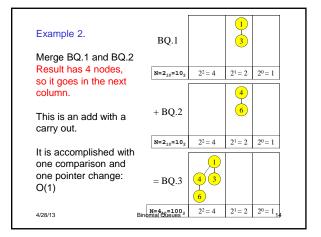


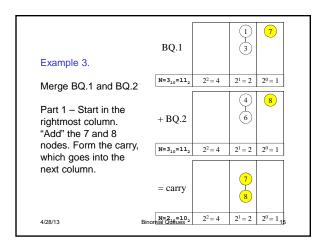












carry		7 8		+ BQ.1		1	7	
N=210=102	$2^2 = 4$	2 ¹ = 2	$2^0 = 1$	N=310=112	$2^2 = 4$	2 ¹ = 2	$2^0 = 1$	
Example 3. Part 2 - Add the existing values and the carry from Part 1. The (1,3) and (4,6) become a structure of size 4 and moves to the next column, while the (7,8) is of size 2 and stays where it is.				+ BQ.2		4	8	
				N=310=112	$2^2 = 4$	$2^1 = 2$	$2^0 = 1$	
				= BQ.3	1 4 3 6	7 8		
4/28/13 Bind			N=6_=1102 mial Queues 2	$2^2 = 4$	$2^1 = 2$	$2^0 = 1_{16}$	5	

